



PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number	10/655,258
Filing Date	09/04/2003
First Named Inventor	Fraedrich, Bruce R.
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	3108/2

Sheet 1 of 2

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
SA	AA	US- 318,609	05-26-1885	Escourrou	
SA	AB	US- 2,821,944	02-04-1958	Blake	
SA	AC	US- 3,124,904	03-17-1964	Maugel	
SA	AD	US- 3,130,519	04-28-1964	Maugel	
SA	AE	US- 3,286,401	11-22-1966	Maugel	
SA	AF	US- 3,304,655	02-21-1967	Maugel	
SA	AG	US- 3,864,874	02-11-1975	Norris et al.	
SA	AH	US- 4,028,846	06-14-1977	Floyd et al.	
SA	AI	US- 4,103,456	08-01-1978	Hendrixson et al.	
SA	AJ	US- 4,176,495	12-04-1979	Dale	
SA	AK	US- 4,596,088	06-24-1986	Graber	
SA	AL	US- 4,833,824	05-30-1989	Cronenwett et al.	
SA	AM	US- 4,908,983	03-20-1990	Mazur et al.	
SA	AN	US- 4,989,366	02-05-1991	DeVlieger	
SA	AO	US- 5,031,357	07-16-1991	Macbeth	
SA	AP	US- 5,046,281	09-10-1991	Murphy	
SA	AQ	US- 5,355,619	10-18-1994	West et al.	
SA	AR	US- 5,477,638	12-26-1995	Corradi et al.	
SA	AS	US- 5,505,021	04-09/1996	Merving	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

*Sam C. Armit*

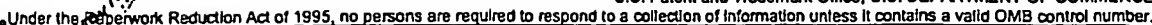
Date  
Considered

10/21/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



**Complete if Known**

*(Use as many sheets as necessary)*

Sheet	2	of	2
-------	---	----	---

Application Number	10/655,258
Filing Date	09/04/2003
First Named Inventor	Fraedrich, Bruce R.
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	3108/2

[illegible][illegible]

Examiner Signature	<i>Steven C. Hunt</i>	Date Considered	10/21/04
-----------------------	-----------------------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**